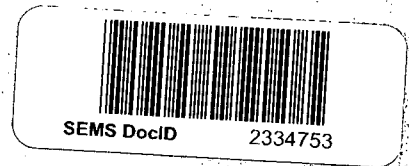




*Already
in Case*

(copy)
ORIGINAL



Potential Hazardous Waste Site

Preliminary Assessment

FORD MOTOR COMPANY

(PAD039047071)

PA- 521

ROBERT ZANG
APRIL 9, 1985

TABLE OF CONTENTS

0.1
(Red)

SITE HISTORY

PRELIMINARY ASSESSMENT

FIELD TRIP SUMMARY REPORT

ATTACHMENTS:

- Reynolds Metals information
- Riverbridge Industrial Center site sketch

ORIGINAL
(Red)

SITE HISTORY

The Ford Motor Company site was operating between 1927 and 1961, when it was sold to the Reynolds Company. It is located along the Delaware River at Lloyd Street in the City of Chester, Delaware County, Pennsylvania.

According to U.S. EPA records, the site includes a "burning pit" which was filled in with construction debris and leveled prior to 1951. The pit was about 1/2 acre in size, and was located along the river, just behind a wooden bulkhead in an area of low ground. The wastes which were disposed of at the pit were organics, inorganics, solvents, heavy metals and paint sludges.

The site was sold in 1961 by Ford to the Reynolds Metals Company, Electric Wire and Cable Plant. There are no known wastes disposed of on-site, and this company evidently disposed of their "process wastewater pretreatment sludge" at the Rollins-Purle facility in Bridgeport, New Jersey. Information about the Reynolds operation is included in the Attachments section of this report.

In 1981, the site was sold by Reynolds to Delaware County (Delaware County Economic Development Center, Inc.) and renamed the Riverbridge Industrial Center - its name today. None of the industries which operate at this site now show any indication of potential environmental threat. There is one company which has six motor oil storage tanks, but these appear to have a proper concrete containment structure; the company packages motor oil. A site sketch of Riverbridge Industrial Center is found at the end of this report.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
PA PAD039047071

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Ford Motor Company		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Front and Lloyd Sts.			
03 CITY Chester	04 STATE PA	05 ZIP CODE 19013	06 COUNTY Delaware	07 COUNTY CODE 23	08 CONG DIST
09 COORDINATES LATITUDE 39° 50' 0"		LONGITUDE 75° 22' 30"			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Entrance to site is at the foot of Lloyd Street, at Front and Lloyd Streets.

III. RESPONSIBLE PARTIES

01 OWNER (If known) Del. Co. Economic Development Ctr., Inc.		02 STREET (Business, mailing, residential) 602 E. Baltimore Pike			
03 CITY Media	04 STATE PA	05 ZIP CODE 19063	06 TELEPHONE NUMBER 215 447-7881		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input checked="" type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 06 09 / 81 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 04 / 03 85 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION (By Ford) 1927 1961 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

"Possibly" organics, inorganics, solvents, heavy metals and paint sludges.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

unknown, but Ford site has been covered/closed since about 1950.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Frank Holmes	02 OF (Agency/Organization) PA DER/BSWM		03 TELEPHONE NUMBER 215 565-1687	
04 PERSON RESPONSIBLE FOR ASSESSMENT Robert Zang	05 AGENCY PA DER	06 ORGANIZATION BSWM	07 TELEPHONE NUMBER 215 270-1920	08 DATE 04 / 05 / 85 MONTH DAY YEAR

FIELD TRIP SUMMARY REPORT

(ued)

This summary should be prepared in conjunction with the Preliminary Assessment Form, (EPA form T2070-2), so that a proper site rating can be assigned.

Name of Site Ford Motor Company

EPA Case Number PAD039047071

- I. If site is active, has owner/operator notified EPA in accordance with Section 3010 of RCRA. Yes _____ No X

If Yes: a) Note EPA I.D. No. _____

b) Is the site a generator, storeer, treater or disposer of hazardous waste? (CIRCLE ONE)

- II. If the answers submitted in Part VI (Hazard Description) of EPA Form T2070-2 or observations warrant a more thorough site investigation/sampling, please attach a sketch map showing those areas of concern. (i.e.: lagoons, leachate seeps, drum storage, monitoring wells, etc).

- III. Please list site contacts and accompanying inspectors; include name, title and phone numbers. Mr. Al Hilbert (215-872-4469)

Riverbridge Industrial Center Manager

Robert Zang (215-270-1920)

PA DER Solid Waste Specialist

- IV. Site observations: (attach a topo map).

A. Population within 1000 ft. of the site is (CHECK ONE)

1. 0-10 people
2. 10-100 people
X 3. greater than 100 people

B. List surrounding land use: (woodlot, agricultural, playground, industrial, etc)

North: Residential

South: Delaware River

East: Industrial/River

West: Industrial/Residential

FIELD TRIP SUMMARY REPORT

Page 2

C. Water supply for area. (CHECK ONE)

1. Surface intakes (locate on attached map)
2. Municipal wells (locate on attached map)
3. Domestic wells: None

a. Approximate number within $\frac{1}{4}$ mile.

b. Locate a minimum of 3 wells on attached map and list below:

Property owner _____

Address _____

Phone No. _____

Well records YES _____ NO _____ YES _____ NO _____ YES _____ NO _____

Odor problems YES _____ NO _____ YES _____ NO _____ YES _____ NO _____

Taste problems YES _____ NO _____ YES _____ NO _____ YES _____ NO _____

c. If odor or taste problems are reported please elaborate: _____

D. Are surface or subsurface, (leachate), drainage areas from site apparent?

YES _____ NO X . If yes:

1. Were unusual odors or stains noted? YES _____ NO _____
2. Was stressed vegetation noted? YES _____ NO _____

a. If yes please note area on map.

E. Are streams or receiving waters adjacent to site? YES X NO _____
If yes, list observations: (i.e., change in benthic community, change in plant density/diversity, change in color, siltation, etc.). _____

Nothing abnormal noted. _____

F. Site topography: (i.e. - plateau, strip mine ravines, etc.). _____

Plateau _____

G. Other observations: (i.e. - erosion, located in flood plain, etc.). _____

None _____

FIELD TRIP SUMMARY REPORT

Page 3

V. Were photograph taken? YES _____ NO X
If yes: Who has custody of photos? _____

Name: _____

Agency: _____

Phone No.: _____

VI. Is a hydrogeological survey for this site attached? YES _____ NO X
If no, Section III D of EPA Form T2070-2 must be completed.

VII. Please attache pertinent copies of reports or data reviewed by inspector:
(i.e. - State monitoring data, consultant reports, etc.).

VIII. Name of Inspector: Robert Zang

Agency: PA DER/BSWM

Phone No.: 215-270-1920

Time on Site: 3 Hours

Weather Conditions: Partly cloudy, cool

ORIGINAL
(Red)

REYNOLDS METALS COMPANY
ELECTRIC WIRE AND CABLE WORKS
CHESTER, PENNSYLVANIA

APPLICATION FOR
WASTE WATER MANAGEMENT PERMIT

12/4/73



BETZ ENVIRONMENTAL ENGINEERS, Inc.

One Plymouth Meeting Mall

Plymouth Meeting, Pennsylvania

19462

BETZ ENVIRONMENTAL ENGINEERS, Inc.

ORIGINAL
(Red)

RECEIVED

DEC 4 1973

REYNOLDS METALS COMPANY
ELECTRIC WIRE AND CABLE
CHESTER, PENNSYLVANIA

APPLICATION FOR
WASTE WATER MANAGEMENT PERMIT

DEPT. OF ENVIRONMENTAL RESOURCES	
BUREAU OF	
WATER QUALITY MANAGEMENT	
APPLICATION NO.	REC'D. REGION
2373207	12/4/73
REPORTS	
NO. OF VOLUMES	OF
1	1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER QUALITY MANAGEMENT

DATE PREPARED

11-29-73

APPLICATION FOR
WASTE WATER MANAGEMENT PERMIT

For Department Use Only

APPLICANT NAME Reynolds Metals Company Electric Wiring & Cable Plant		PROJECT LOCATION (A) MUNICIPALITY Chester	
TELEPHONE NO.			
MAILING ADDRESS Front and Lloyd Streets Chester, Penna. 19103		(B) COUNTY Delaware	
HEREBY APPLIES FOR: (CHECK APPROPRIATE BLOCKS IN COLUMNS A, B AND C)			
A. APPROVAL OF PLANS FOR CONSTRUCTION OF: <input type="checkbox"/> PUMP STATIONS; SEWERS AND APPURTENANCES <input type="checkbox"/> SEWAGE TREATMENT PLANT <input type="checkbox"/> MINE DRAINAGE TREATMENT PLANT <input type="checkbox"/> INDUSTRIAL WASTE TREATMENT PLANT N/A		B. APPROVAL TO DISCHARGE: (1) <input type="checkbox"/> TREATED <input checked="" type="checkbox"/> UNTREATED (2) <input checked="" type="checkbox"/> INDUSTRIAL WASTES <input type="checkbox"/> MINE DRAINAGE <input type="checkbox"/> SEWAGE	
		C. APPROVAL TO OPERATE: <input type="checkbox"/> MINE <input checked="" type="checkbox"/> NA	
(ALL DISCHARGES OF WASTES ARE PURSUANT TO "THE CLEAN STREAMS LAW")			
I HEREBY CERTIFY THAT THE COMPLETENESS REPORT AND ALL PLANS, MODULES, AND DOCUMENTS DESIGNATED THEREIN ARE ATTACHED TO THIS APPLICATION, AND MADE A PART HEREOF. <i>Bush Hondalus</i> SIGNATURE OF APPLICANT OR RESPONSIBLE OFFICIAL			
NAME OF APPLICANT OR RESPONSIBLE OFFICIAL: Bush Hondalus		TITLE Plant Manager	DATE OF APPLICATION 11-29-73
ADDRESS Front and Lloyd Streets, Chester, Pennsylvania 19103			
AFFIDAVIT COMMONWEALTH OF PENNSYLVANIA, COUNTY OF Delaware			
I, <u>Bush Hondalus</u> , BEING DULY SWORN, ACCORDING TO LAW, DEPOSE AND SAY THAT I (AM THE APPLICANT) (AM AN OFFICER OR OFFICIAL OF THE APPLICANT) (HAVE THE AUTHORITY TO MAKE THIS APPLICATION) AND THAT THE PLANS, REPORTS AND DOCUMENTS SUBMITTED AS PART OF THE APPLICATION ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.			
SWORN AND SUBSCRIBED TO BEFORE ME THIS <u>30th</u> DAY OF <u>Nov</u> 19 <u>73</u>			
<i>Frances H. Manley</i> NOTARY PUBLIC My Commission Expires July 14, 1975		<i>Bush Hondalus</i> SIGNATURE OF APPLICANT OR RESPONSIBLE OFFICIAL	
THE SECTION BELOW IS TO BE COMPLETED BY THE DESIGN ENGINEER (OR SURVEYOR) AUTHORIZED BY THE APPLICANT TO PREPARE THIS APPLICATION			
NAME OF DESIGN ENGINEER (OR SURVEYOR) AND FIRM H. H. Curtin, P.E. Betz Environmental Engineers, Incorporated		DESIGN ENGINEER'S (OR SURVEYOR'S) SEAL	
MAILING ADDRESS 1 Plymouth Meeting Mall Plymouth Meeting, Penna. 19462	TELEPHONE NUMBER 215- 825-3800		
AGREEMENT DATE	SIGNATURE OF DESIGN ENGINEER (OR SURVEYOR) <i>Harry H. Curtin</i>		

ER710.046.4
DATE PREPARED
11-29-73
DATE REVISED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER QUALITY MANAGEMENT
WATER POLLUTION CONTROL

MODULE 4 - WASTE LOAD AND CHARACTERISTICS

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ORIGINAL
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Sample or Data Location - Continued	WASTE: <u>Cooling Water</u>		WASTE: <u>Cooling Water</u>		WASTE: <u>Cooling Water</u> <u>Blowdown</u>		WASTE: <u>Cooling Water</u>	
	LOCATION: <u>001</u>		LOCATION: <u>002 & 003</u>		LOCATION: <u>004</u>		LOCATION: <u>005</u>	
INDUSTRIAL WASTE APPLICANTS COMPLETE ALL APPLICABLE ITEMS.	<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE		<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE		<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE		<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE	
SEWAGE APPLICANTS COMPLETE ONLY ITEMS CODED "S."								
MINE DRAINAGE APPLICANTS COMPLETE ONLY ITEMS CODED "M."								
	Waste Load		Waste Load		Waste Load		Waste Load	
	Raw	Treated	Raw	Treated	Raw	Treated	Raw	Treated
	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.
18. DISSOLVED OXYGEN Mg/L		S		S		S		S
19. TURBIDITY Units		S-M		S-M		S-M		S-M
20. NITROGEN - AMMONIA Mg/L	S 0.4	S	S 0.2	S	S 0.3	S	S 0.1	S
21. NITROGEN - NITRITE Mg/L	0	S	0	S	0	S	0	S
22. NITROGEN - NITRATE Mg/L		S		S		S		S
23. PHOSPHATE (TOTAL SOLUBLE PO ₄) Mg/L	S 0	S	S 2.0	S	S 0	S	S 0	S
24. SULFATE Mg/L	M	M	M	M	M	M	M	M
25. OIL Mg/L								
OTHER (Specify) (Give Units)								
Oil, mg/l	6		4		4		3	
Copper, mg/l	.03		.04		.02		.07	
Zinc, mg/l	0.1		0.1		0.1		0.1	
Lead, ppb	<10		<10		<10		<10	
Cyanide, mg/l	.01		.007		.002		.009	
Nickel, ppb	<25		<25		<25		<25	

B. DESCRIPTION OF SAMPLING PROCEDURE

1. FOR EACH WASTE LOAD ON TABLE II, DESCRIBE BELOW THE METHOD AND DATE(S) OF SAMPLING.

See Attachment 'A' for detailed explanation of above data.

ORIGINAL
(Red)

POLLUTION INCIDENT PREVENTION PROGRAM

FOR

REYNOLDS METALS COMPANY

CHESTER, PENNSYLVANIA

NOVEMBER, 1973

Prepared by:

F. X. Browne

Francis X. Browne, Ph.D.

Project Engineer

Industrial Concept Design Department



BETZ ENVIRONMENTAL ENGINEERS, Inc.

One Plymouth Meeting Mall • Plymouth Meeting, Pa. 19462 • Telephone: 215 • 825-3800

The warehouse is used primarily for storage. The boiler house contains the boilers. Boiler blowdown water will be pretreated and discharged to the Chester treatment plant. The storage building is used to store old tanks. Some of these tanks will be used as holding tanks for the proposed wastewater pretreatment system which will be in operation by August 1, 1974.

Fuel oil is delivered to the plant by truck and is stored in three above ground storage tanks, each with a capacity of 75,000 gallons. The storage tanks are surrounded by a five-foot high protective earthen dike. This dike prevents spilled oil from spreading to other areas. Presently, there is a floor drain within the storage area and this drain leads to the storm sewer. This drain will be blocked in the near future thereby eliminating any possible source of water pollution from oil spillage.

HISTORY OF POLLUTION INCIDENTS

On July 3, 1973, an oil spill occurred in the fuel oil storage area. The Coast Guard was notified of the spill and cleanup operations were initiated immediately. It was this spill, the first of its kind, that convinced Reynolds Metals personnel to seal off the floor drain.

EXTERNAL FACTORS

Power Failure

In the event of a total power failure, the plant would be closed down. Standby gasoline driven pumps and generators are available should they be needed.

Floods

During heavy rain storms, water from the roof drains overflows onto the floor causing pools of water. No serious damage occurs from this flooding. During the hurricane Agnes, a once in 200 year storm, no significant flooding occurred.

Strikes

There have been no strikes at the Reynolds Metals plant, however, during a strike, all plant process operations would be closed down. Management personnel would remain on duty to supervise and maintain the inoperative plant.

PROBABLE POLLUTION INCIDENTS

There are no foreseeable pollution incidents with the exception of other possible oil spills within the storage dike. These oil spills will be captured within the dike and will be cleaned-up. No discharge to a receiving waterway will occur.



REYNOLDS METALS COMPANY
ELECTRICAL WIRE and CABLE PLANT

BRIDGEPORT QUADRANGLE
NEW JERSEY-PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 CHESTER 15' QUADRANGLE

ORIGINAL
(Red)

INTERNAL REVIEW AND RECOMMENDATIONS

For Department Use Only

REGIONAL ENGINEER'S REVIEW

NAME OF APPLICANT Reynold's Metals PROJECT City of Chester APPLICATION NUMBER 2373207
LOCATION Delaware County

BRIEF DESCRIPTION OF PROJECT: POLLUTION INCIDENT PREVENTION PLAN

The application proposes to provide measures to prevent any pollution incidents resulting from unusual circumstances caused either by the Company or by outside sources. The Company produces electrical cable.

DISCUSSION (Use Additional Sheets If Necessary):

There are only a few areas in which a pollution incident could occur.

A. Industrial wastes pre-treatment plant. The installation of this plant will include sealing all floor drains.

B. Acid storage tanks. Acid tank are to be curbed off.

(con't on pg 2)

CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

RECOMMENDATION AND ACTION

APPROVAL - RELEVANT LAWS, REGULATIONS, STANDARDS, AND POLICIES HAVE BEEN COMPLIED WITH:

Issue By Region	Issue By Central Office	Refuse	Signature	Date
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Stephen F. Pedersen</i> REVIEWING ENGINEER	2/19/74
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Walter E. Haulley Jr.</i> FACILITIES ENGINEER	2-19-74
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>C. J. H. H. H.</i> REGIONAL ENGINEER	2-19-74
	<input type="checkbox"/>	<input type="checkbox"/>	DIV. FACILITIES ENGINEER	
	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION DIRECTOR	
PERMIT CONDITIONS:		<input type="checkbox"/>	BUREAU DIRECTOR	
1. STANDARD -				

2. SPECIAL (Use Additional Sheets If Necessary) -

- 2 -

- C. Process tanks. Reynold's has started a program of sealing off all floor drains which could contribute to a pollution incident.
- D. Fuel oil tanks. These tanks are diked off. Drains within the dike are valved off and sealed.
- E. Sanitary sewage pump station. The controls for this station are locked on with padlocks. In addition, high level alarms operated by battery are being installed in the pump station.

Reynold's Metals Company "has an official and highly enforced Preventive Maintenance Program." This has been revised to include pollution prevention. They also have implemented a Company Contingency Spill Plan, which includes a chain of command, and listed responsibility for notifying regulatory agencies.

Strikes and power failures would shut down all processes. The Company says that the plant has never had serious problems from flooding.

It is the opinion of this writer that the pollution incident prevention plan submitted by Reynold's Metals Company provides adequately for the prevention of accidental pollution. Accordingly, it is recommended that it be accepted as part of Application #2373207.

BRS

ORIGINAL
(Red)

For Department Use Only

INTERNAL REVIEW AND RECOMMENDATIONS

REGIONAL ENGINEER'S REVIEW

NAME OF APPLICANT Electric District Wiring & Cable Plant PROJECT City of Chester APPLICATION NUMBER 2373207
 APPLICANT Reynolds Metals Company LOCATION Delaware County

BRIEF DESCRIPTION OF PROJECT: This application requests approval to segregate the non-contaminated cooling waters from the process wastewaters and to continue to discharge the non-contaminated cooling water, combined total of 0.513 mgd to the Delaware River.

DISCUSSION (Use Additional Sheets If Necessary): Reynolds Metals Company manufactures electric wire and cable. The Company's raw water is furnished by the Chester Water Authority. Presently, all the Company's process and cooling wastewaters are discharged to the Delaware River. However, the process wastewaters, contaminated cooling waters, and boiler blowdown are to receive pretreatment and be discharged to DELCORA's Chester Sewage Treatment Plant. Process wastewater pretreatment sludge will be disposed of by Rollins-Purle, Bridgeport, New Jersey.

Uncontaminated cooling water discharges from outfall pipes 001, 002, 003, and 005 will be discharged directly to the Delaware River. Cooling waters from 004 will be recirculated through another cooling tower. A blowdown rate of 20% from the proposed cooling tower will be discharged to the Delaware River. At the 20% blowdown rate CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only) April 1, 1975

RECOMMENDATION AND ACTION

APPROVAL - RELEVANT LAWS, REGULATIONS, STANDARDS, AND POLICIES HAVE BEEN COMPLIED WITH:

Issue By Region	Issue By Central Office	Refuse	Signature	Date
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	David E. Milhous REVIEWING ENGINEER	5/7/74
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Richard L. Gable FACILITIES ENGINEER	5/8/74
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OT B. hund REGIONAL ENGINEER	5/8/74
	<input type="checkbox"/>	<input type="checkbox"/>	DIV. FACILITIES ENGINEER	
	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION DIRECTOR	
PERMIT CONDITIONS:		<input type="checkbox"/>	BUREAU DIRECTOR	

1. STANDARD -

Industrial Waste - October 1, 1971
1 through 21.

2. SPECIAL (Use Additional Sheets If Necessary) - Industrial Waste revised February 1, 1972

A-1, B-1, III Compliance with Heated Waste Regulations IV Complete treatment

A. Suspended solids less than or equal to 30 mg/l

B. Cyanide and cyanogen compound less than or equal to 0.025 mg/l

C. Oil less than or equal to 10 mg/l in the effluent

DISCUSSION CONTINUED

chemical additives will not be necessary for proper operation of the cooling tower according to the design engineer.

The cooling water which is discharged is used to cool the rod drawing machines, the wire after it is tinned, the vulcanized rubber ^{coated} wire from the continuous vulcanizers and the tubers.

The Company does not feel that a thermal mixing zone will be necessary.

The Pollution Incident Prevention Report has been reviewed and approved in the Regional Office.

Even though the Company will be constructing the cooling tower, no earth-moving activities are proposed for this site.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENTORIGINAL
(Red)

WATER QUALITY MANAGEMENT PERMIT

NO. 2373207

A. PERMITTEE (Name and Address)

Reynolds Metals Company
Electric Wiring & Cable Plant
Front & Lloyd Streets
Chester Pa. 19013

B. PROJECT LOCATION

Municipality City of ChesterCounty Delaware

C. TYPE OF FACILITY OR ESTABLISHMENT

Manufacturer of Electric Wiring & Cable

D. NAME OF MINE, OPERATION OR AREA SERV

Cooling Water from Chester Plant

E. THIS PERMIT APPROVES

1. Plans For Construction of

a. ☐ PUMP STATIONS; SEWERS
AND APPURTENANCESb. ☐ SEWAGE TREATMENT
FACILITIESc. ☐ MINE DRAINAGE
TREATMENT FACILITIESd. ☐ INDUSTRIAL WASTE
TREATMENT FACILITIESe. ☐ OUTFALL & HEADWALLf. ☐ STREAM CROSSING

2. The Discharge of:

a. ☐ TREATED☒ UNTREATED
uncontaminated cooling waterb. ☐ INDUSTRIAL WASTE☐ MINE DRAINAGE☐ SEWAGE

3. The Operation of:

☐ MINE
MAXIMUM AREA TO BE DEEP
MINED _____☐ DAM4. An Erosion and Sedimentation
Control Plan ☐

PROJECT AREA IS _____ ACRES.

5. Nature of Discharge or Impoundment:

☐ DISCHARGE TO SURFACE WATER☐ DISCHARGE TO GROUND WATER☐ IMPOUNDMENTDelaware River(Name of Stream to which discharged or drainage
area on which ground water discharge takes place or
impoundment is located).

F. You are hereby authorized to construct, operate or discharge, as indicated above, provided that you comply with the following:

1. All representations regarding operations, construction, maintenance and closing procedures as well as all other matters set forth
-
- in your application and its supporting documents (Application No.
- 2373207
-
- dated
- November 29, 1973
-), and amendments dated
- March 20 & April 3, 1974

Such application, its supporting documents and amendments are hereby made a part of this permit.

2. Conditions numbered
- 1 through 21
- ,
-
- Industrial Waste
- Standard Conditions dated
- 10/1/71
- of the

which conditions are attached hereto and are made a part of this permit.

3. Special condition(s) designated
- A, B, C, D.

which are attached hereto and are made a part of this permit.

G. The Authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application or its supporting documents and amendments and the standard or special
-
- conditions, the standard or special conditions shall apply.
-
2. Failure to comply with the Rules and Regulations of the Department or the terms or conditions of this permit shall
-
- void the authority given to the permittee by the issuance of the permit.
-
3. This permit is issued pursuant to the Clean Streams Law, The Act of June 22, 1937, P.L. 1987 as amended and/or
-
- the Water Obstruction Act of June 25, 1913, P.L. 555 as amended.
-
- Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED

DATE

7-2-74

BY

DEPARTMENT OF ENVIRONMENTAL RESOURCES

C.T. Dickinson

TITLE

Regional Sanitary Engineer
Warrington Office

Industrial Waste Permit No. 2373207
Reynolds Metals Company
Electric Wiring & Cable Plant
City of Chester, Delaware County

This permit is issued subject to all Rules and Regulations now in force and the following Special Conditions:

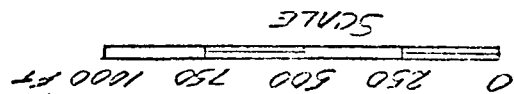
- A. The effluent discharged to the waters of the Commonwealth shall not be acid, shall have a pH of not less than 6.0 nor greater than 9.0, and shall not contain more than 7.0 mg/l of dissolved iron.
- B. Within six months after the herein approved waste treatment works are constructed and placed in operation, the permittee shall submit to the Department evidence of the efficiency and adequacy of such facilities in treating the waste discharges from this establishment.
- C. The discharge of cooling water shall be conducted in accordance with the Rules and Regulations of the Department of Environmental Resources which pertain to heated wastes, namely, Chapter 97 (Sections 97.81 through 97.36).

The cooling water discharges shall not contain levels of suspended solids, greases, acids, alkalis, toxic, taste and odor producing substances and other substances inimical to the public interest that will pollute the receiving stream.

- D. The facilities hereby approved are required to effect that treatment which shall produce an effluent that will meet the following requirements based on a five consecutive day average of values unless otherwise noted.
 - 1. The suspended solids in the effluent shall not exceed 30 mg/l.
 - 2. Cyanides and cyanogen compounds in the effluent shall not exceed 0.025 mg/l at any time.
 - 3. The oil in the effluent shall not exceed 10 mg/l, and there shall be no visible oil in the effluent.

In addition, the approved facilities shall provide for satisfactory disposal of sludge and shall reduce the quantities of greases, acids, alkalis, toxic, color, taste and odor producing substances, and other substances inimical to the public interest to levels that will not pollute the receiving stream.

75° 22' 30"



39° 50'

DELAWARE RIVER

FLOW

PHILADELPHIA
QUARTZ CO.

CC3
CC2
CC1

CC1

CC5

PERMISSIBLE AREA
OF CONCRETE

REYNOLDS METALS CO.

STREET

FRONT

CHESTER
WATER
AUTH.

CITY OF CHESTER



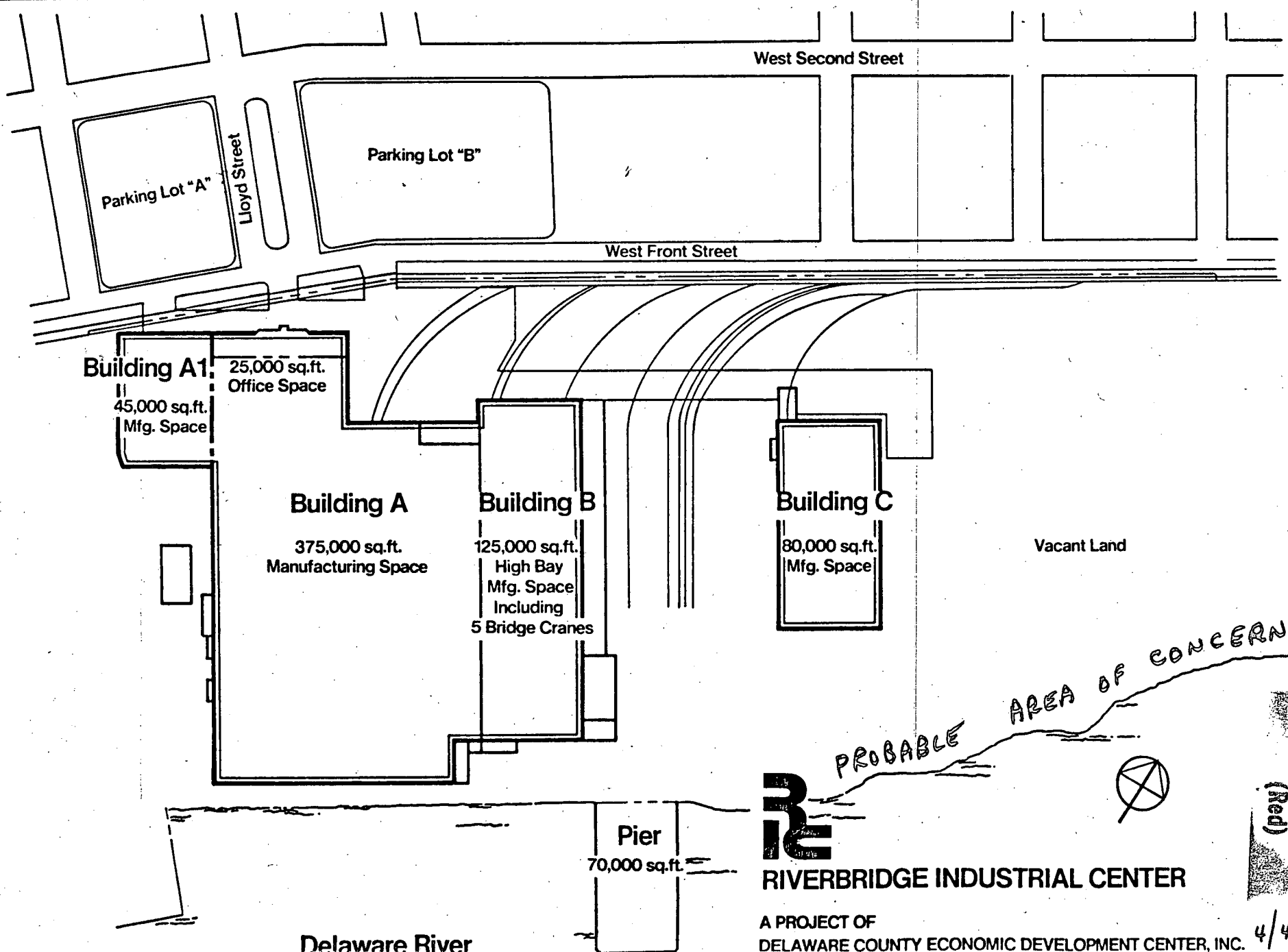
LOCATION MAP
REYNOLDS METALS CO
CHESTER, PA.

ORIGINAL
(Red)

SITE PLAN



A project of the Delaware County Economic Development Center, Inc.
602 E. Baltimore Pike, Media, PA 19063



RIVERBRIDGE INDUSTRIAL CENTER

A PROJECT OF
DELAWARE COUNTY ECONOMIC DEVELOPMENT CENTER, INC.

ORIGINAL
(Red)

4/4/85